

FIG. 1000

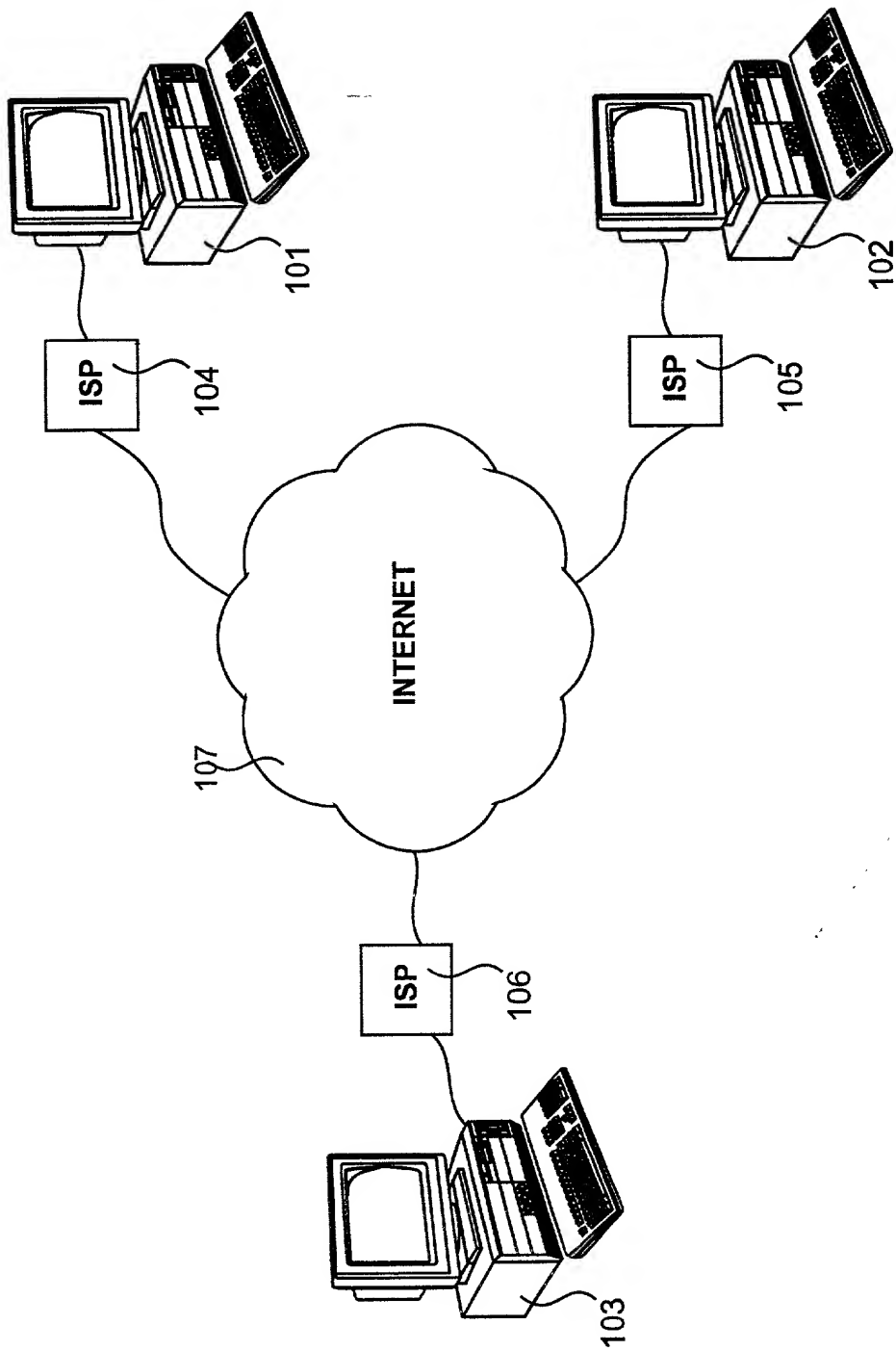


Figure 1

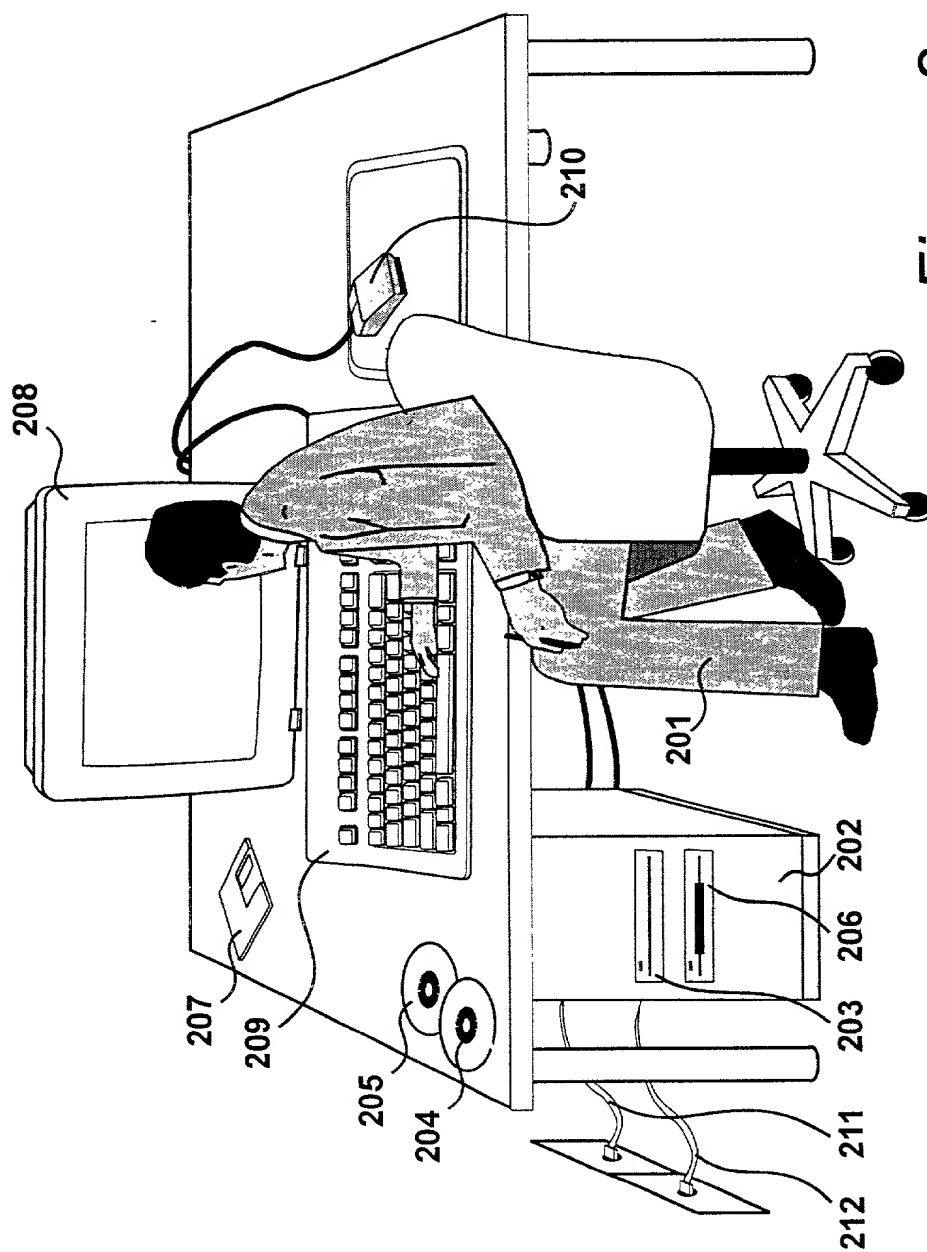


Figure 2

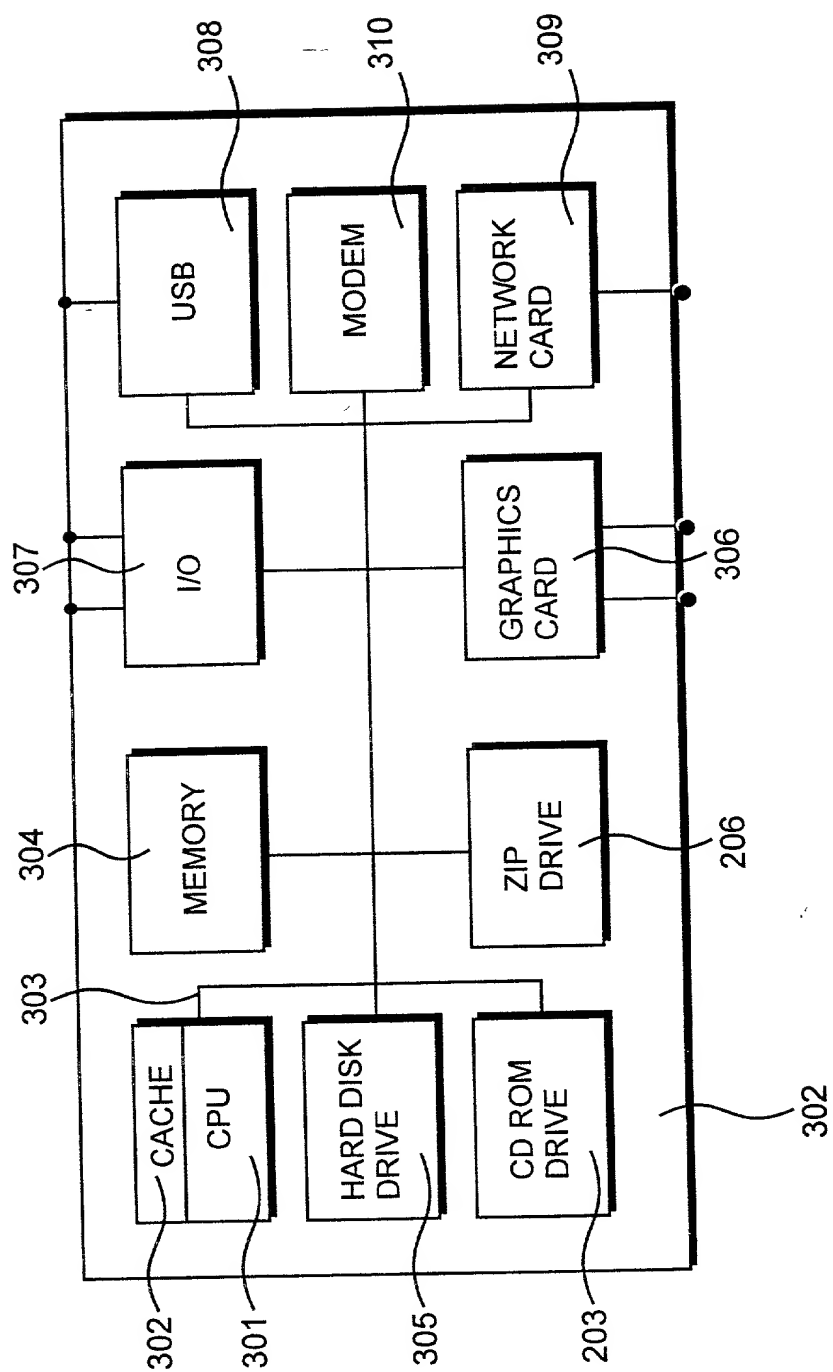


Figure 3

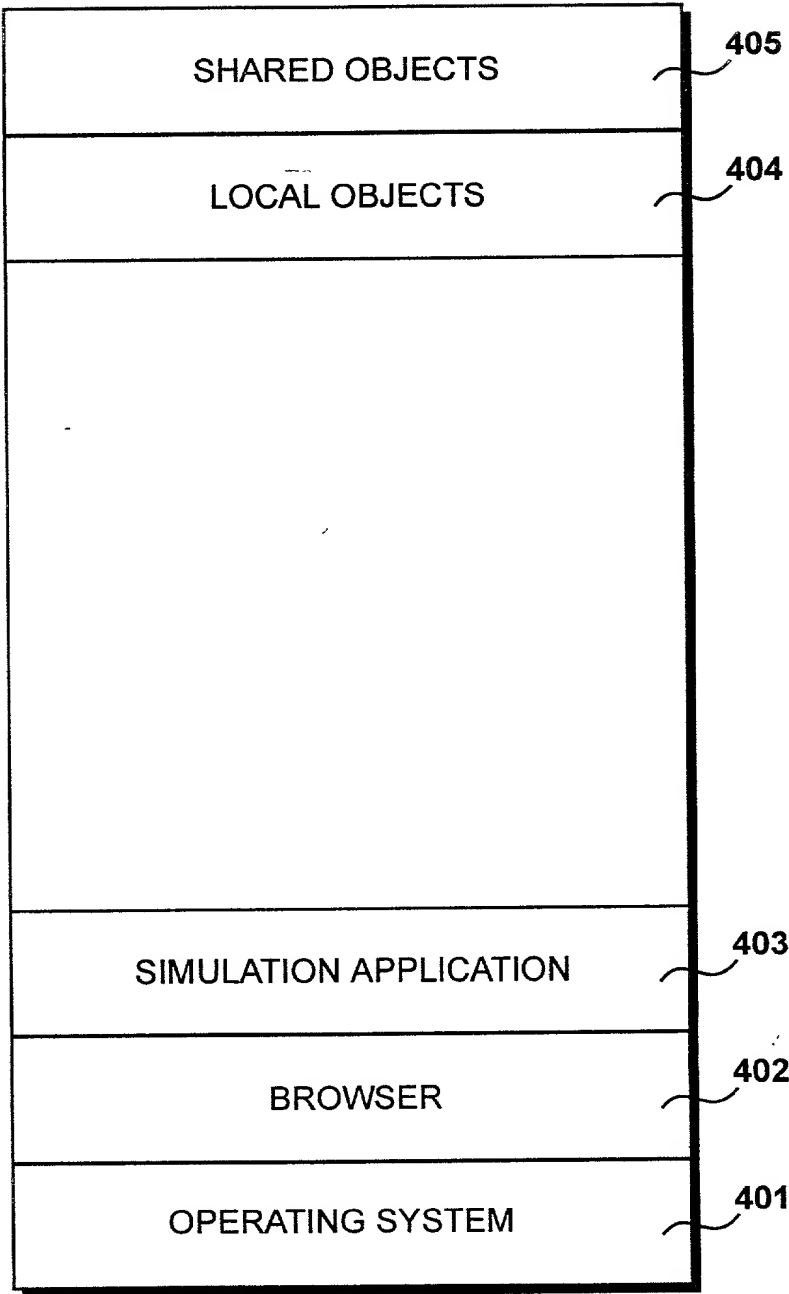


Figure 4

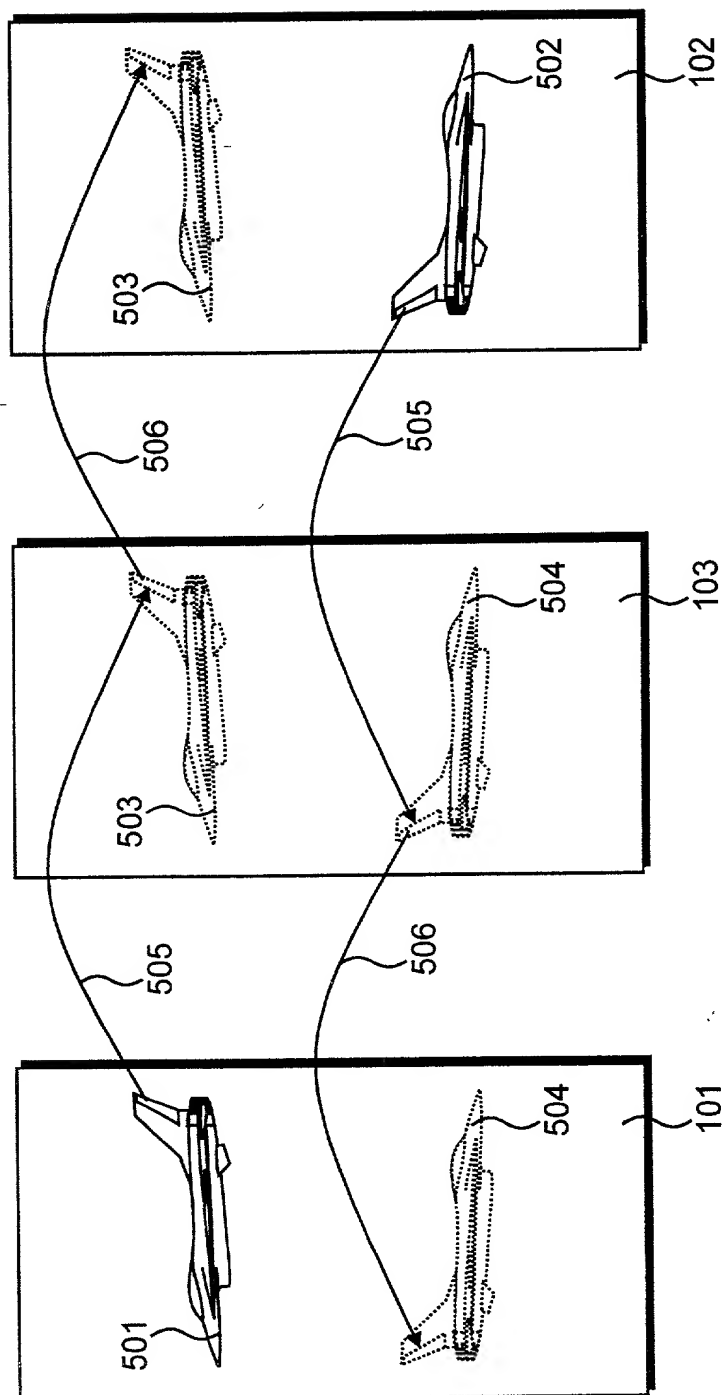


Figure 5

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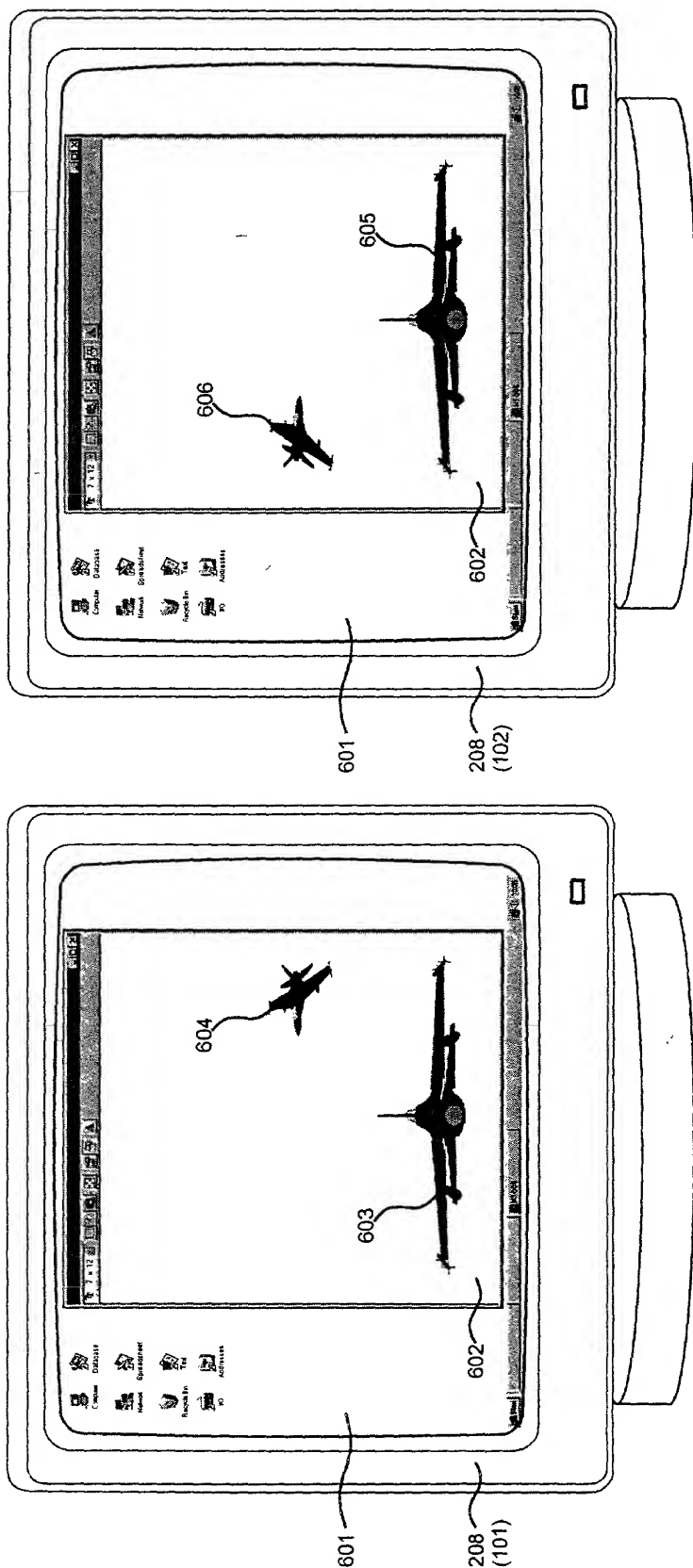


Figure 6

FIG. 6

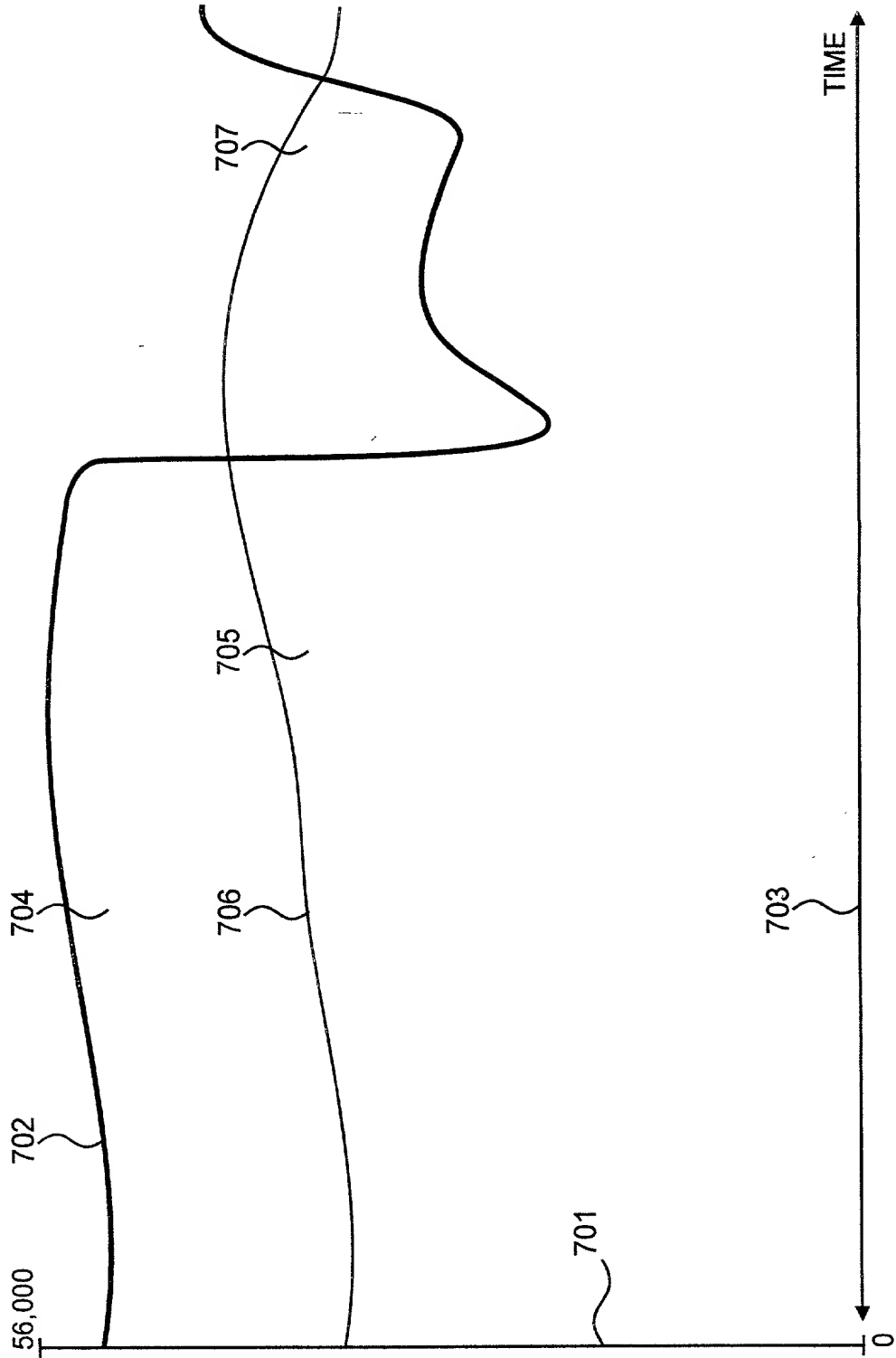
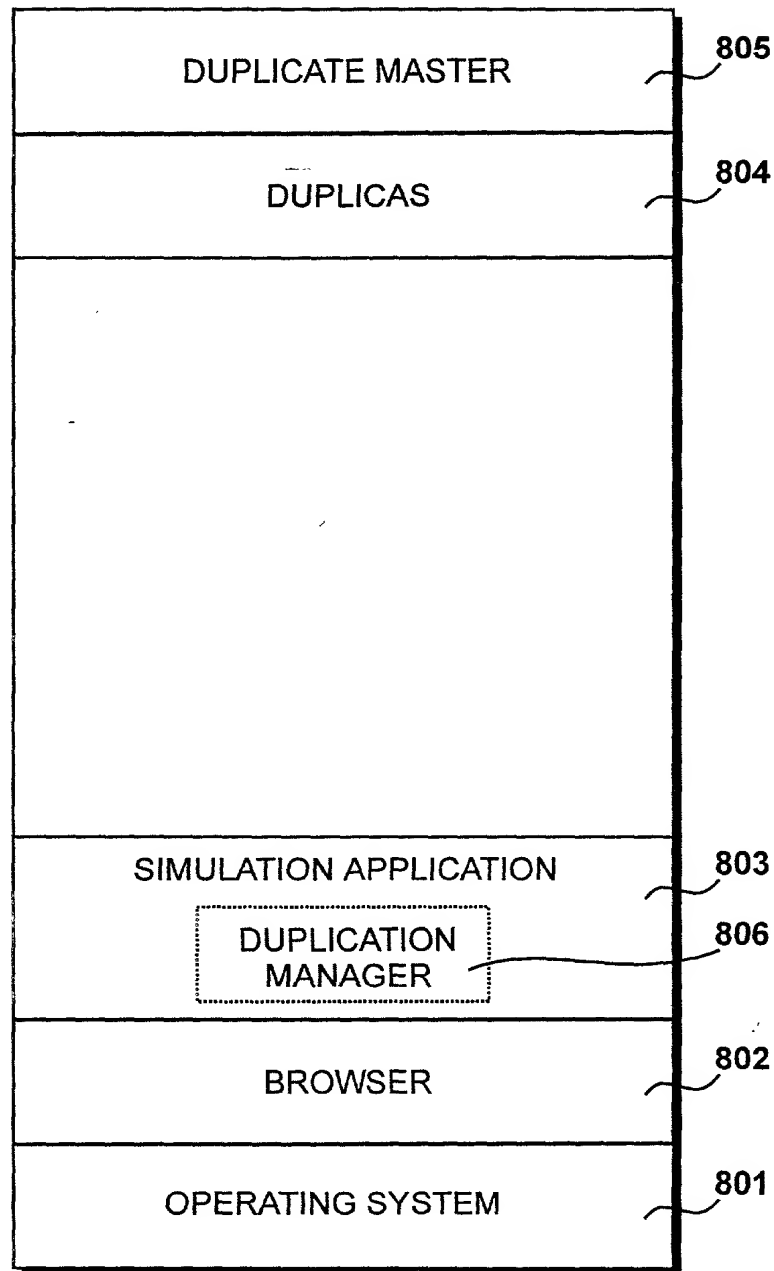
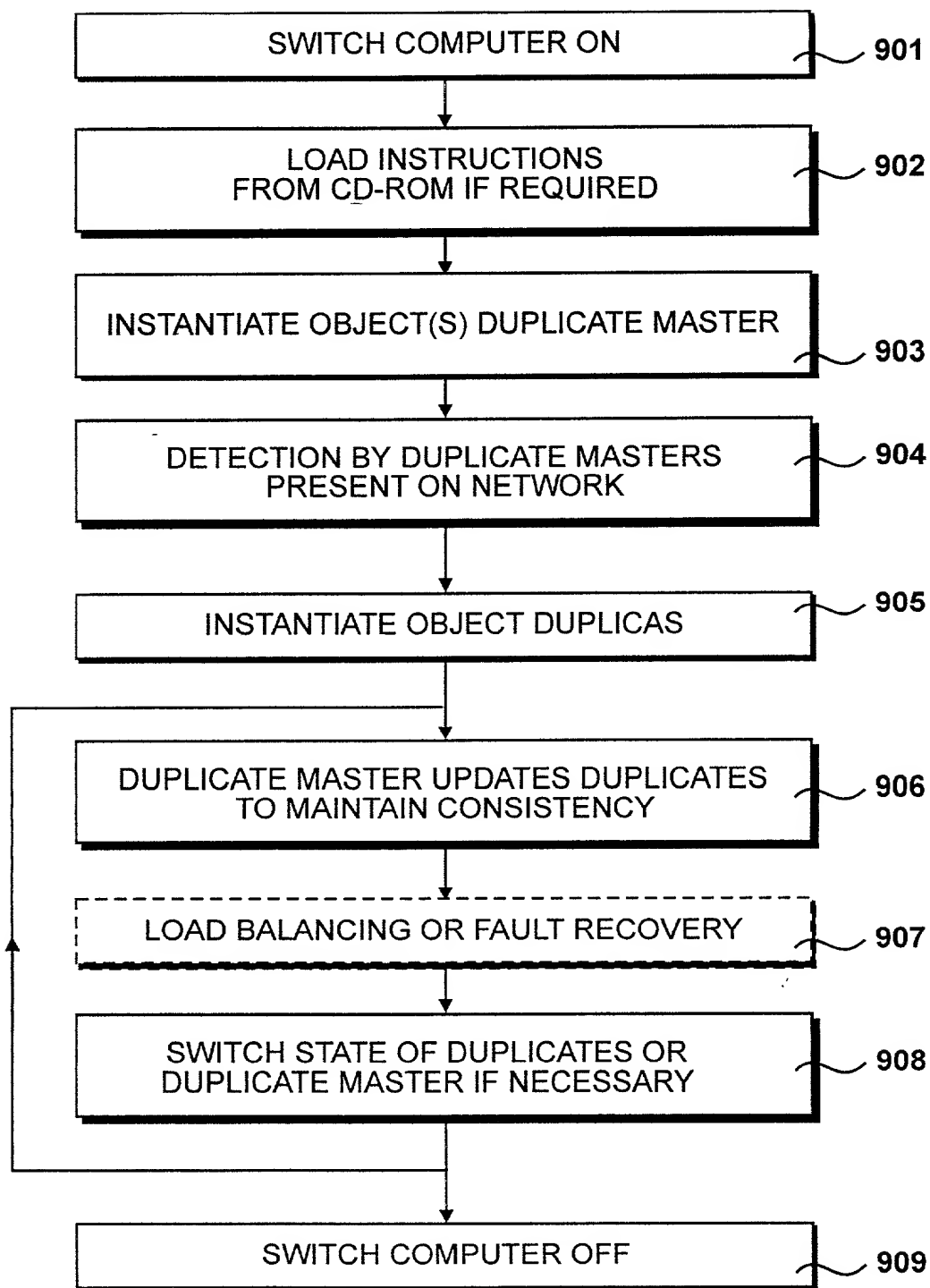


Figure 7

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*Figure 8*

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*Figure 9*

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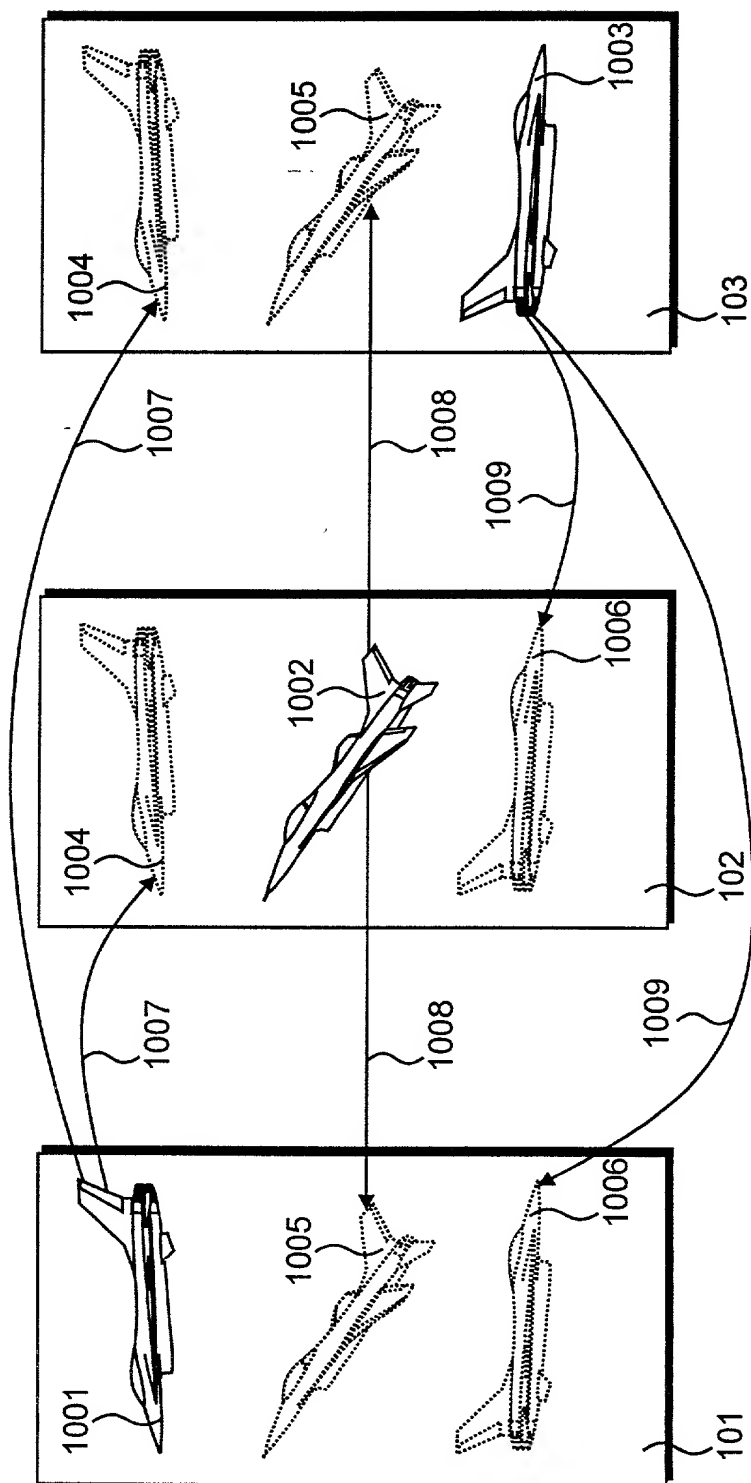


Figure 10

FIG. 10

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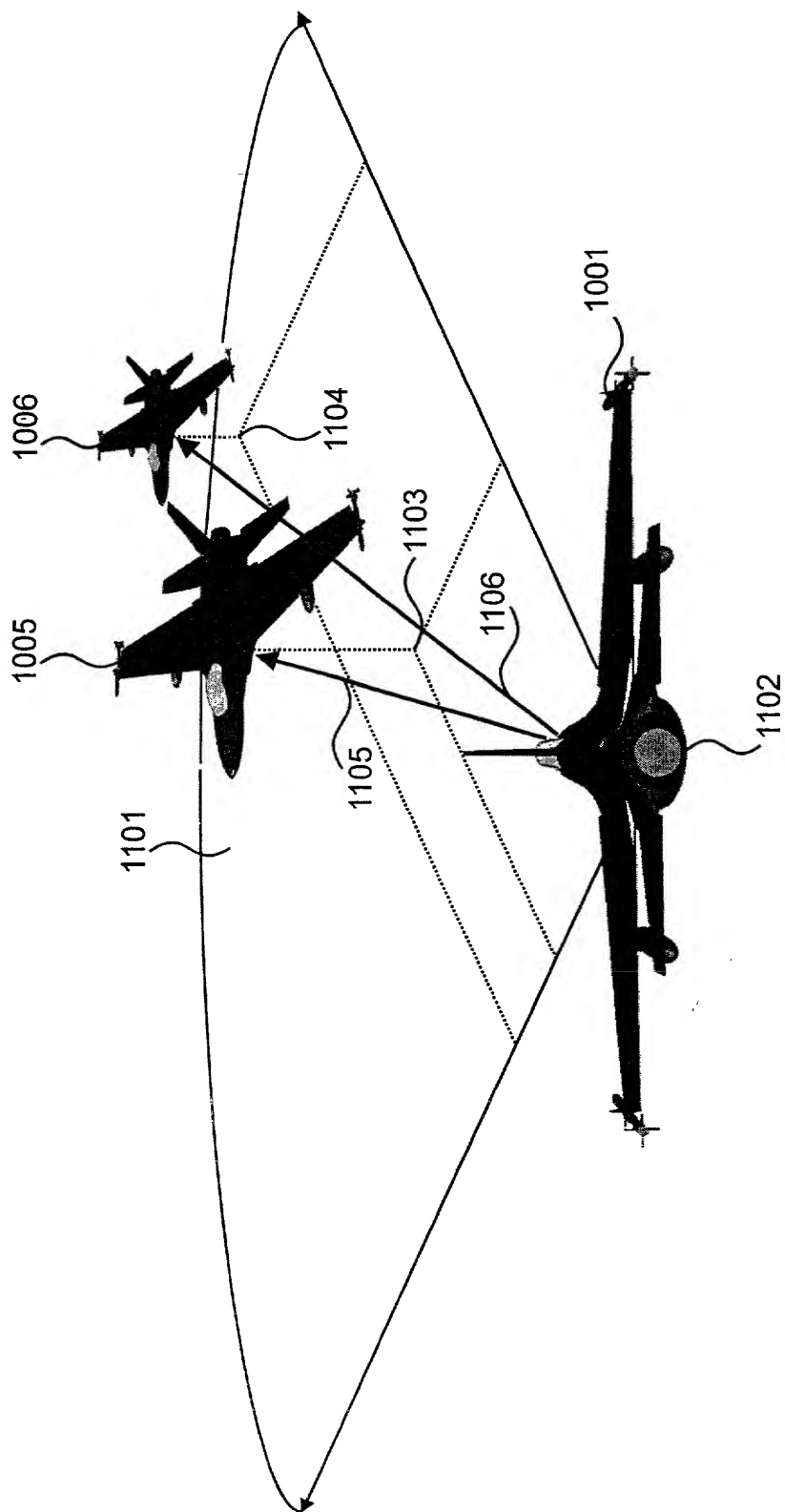


Figure 11

FIG. 11

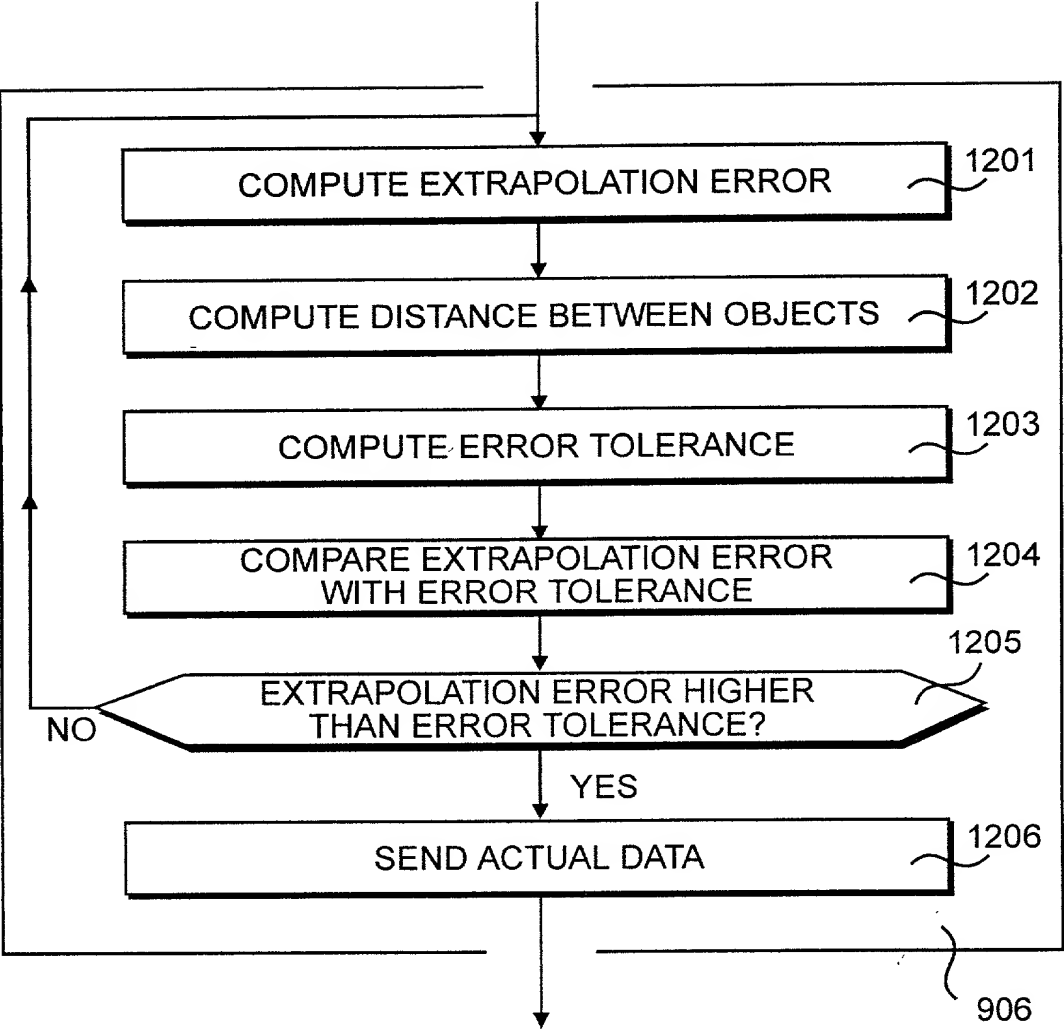


Figure 12

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$$1301 \quad E = \left[\sum_{i=1}^n (x_i - x'_i)^2 \right]^{\frac{1}{2}}$$

E = extrapolation error for x data

x = actual value of variable x at local terminal

x' = extrapolated value of variable x at remote terminal

$$1302 \quad Z = \left[\sum_{i=1}^n (x_{Duplica} - x'_{Observer})^2 \right]^{\frac{1}{2}}$$

Z = distance between the observer and the duplica

x = actual value of variable x at local terminal

x' = extrapolated value of variable x at remote terminal

1303

$$T = dConstant + (dLinear \times Z) + (dQuadratic \times Z^2)$$

T = error tolerance

Z = distance between the observer and the duplica

dConstant = parameter for absolute minimum error tolerance

dLinear = coefficient for linear relationship between Z and T

dQuadratic = coefficient for quadratic relationship between Z and T

Figure 13

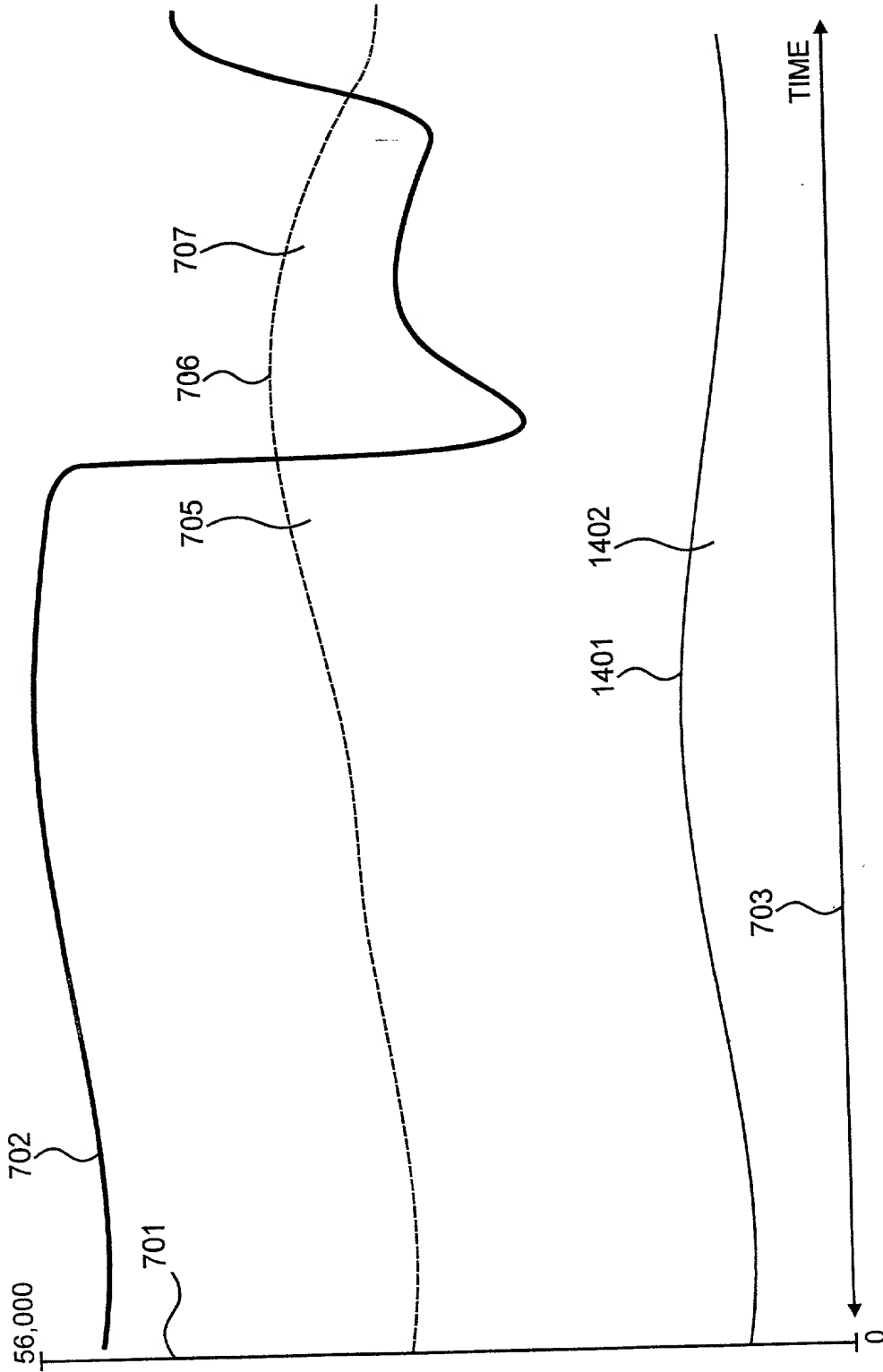


Figure 14

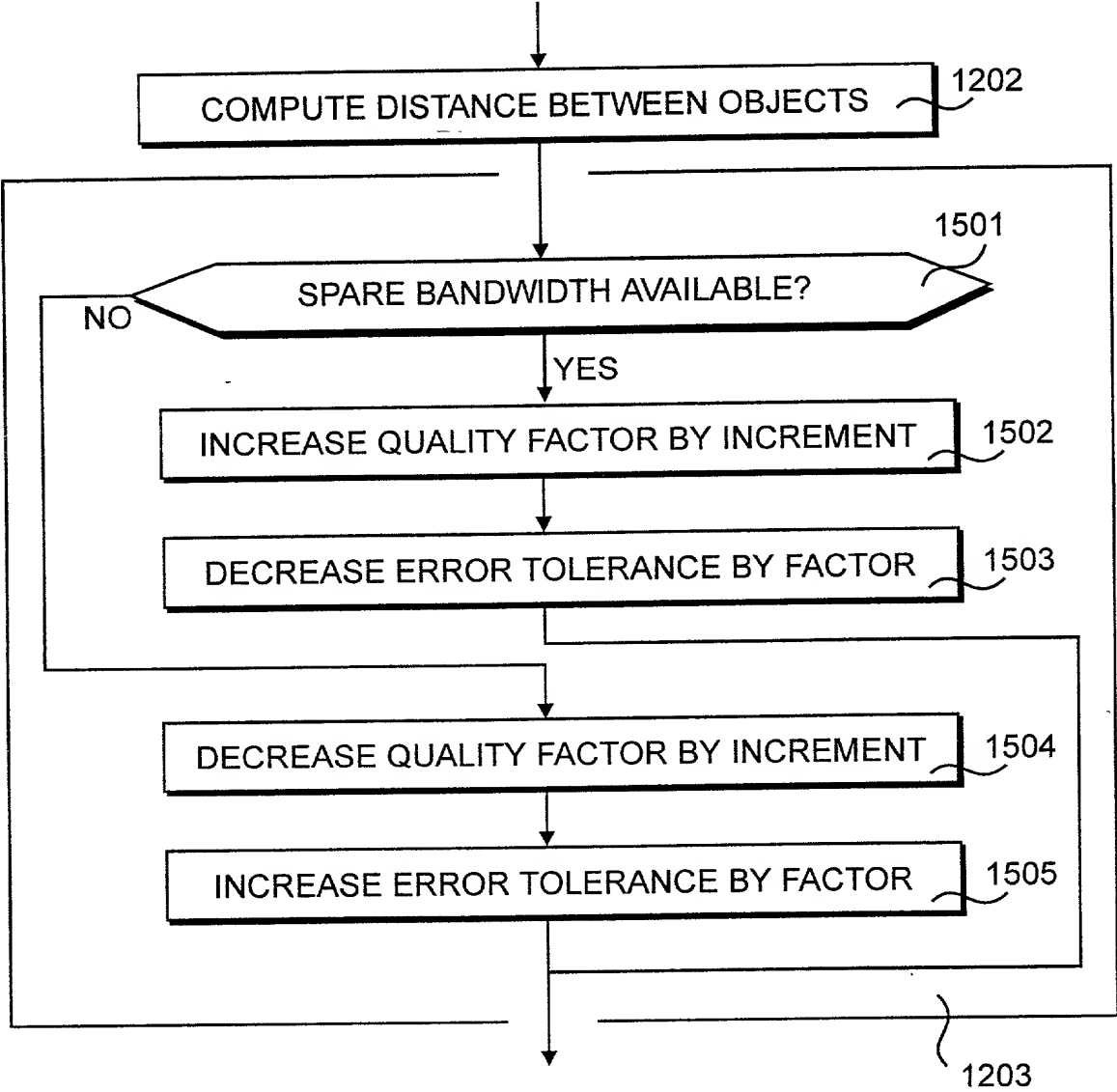


Figure 15

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1602

$$T = d\text{Constant} + [d\text{Linear} \times \left(\frac{Z}{Q}\right)] + [d\text{Quadratic} \times \left(\frac{Z}{Q}\right)^2]$$

T = error tolerance
 Z = distance between the observer and the duplica
 dConstant = parameter for absolute minimum error tolerance
 dLinear = coefficient for linear relationship between Z and T
 dQuadratic = coefficient for quadratic relationship between Z and T
 Q = quality factor

1601

Figure 16

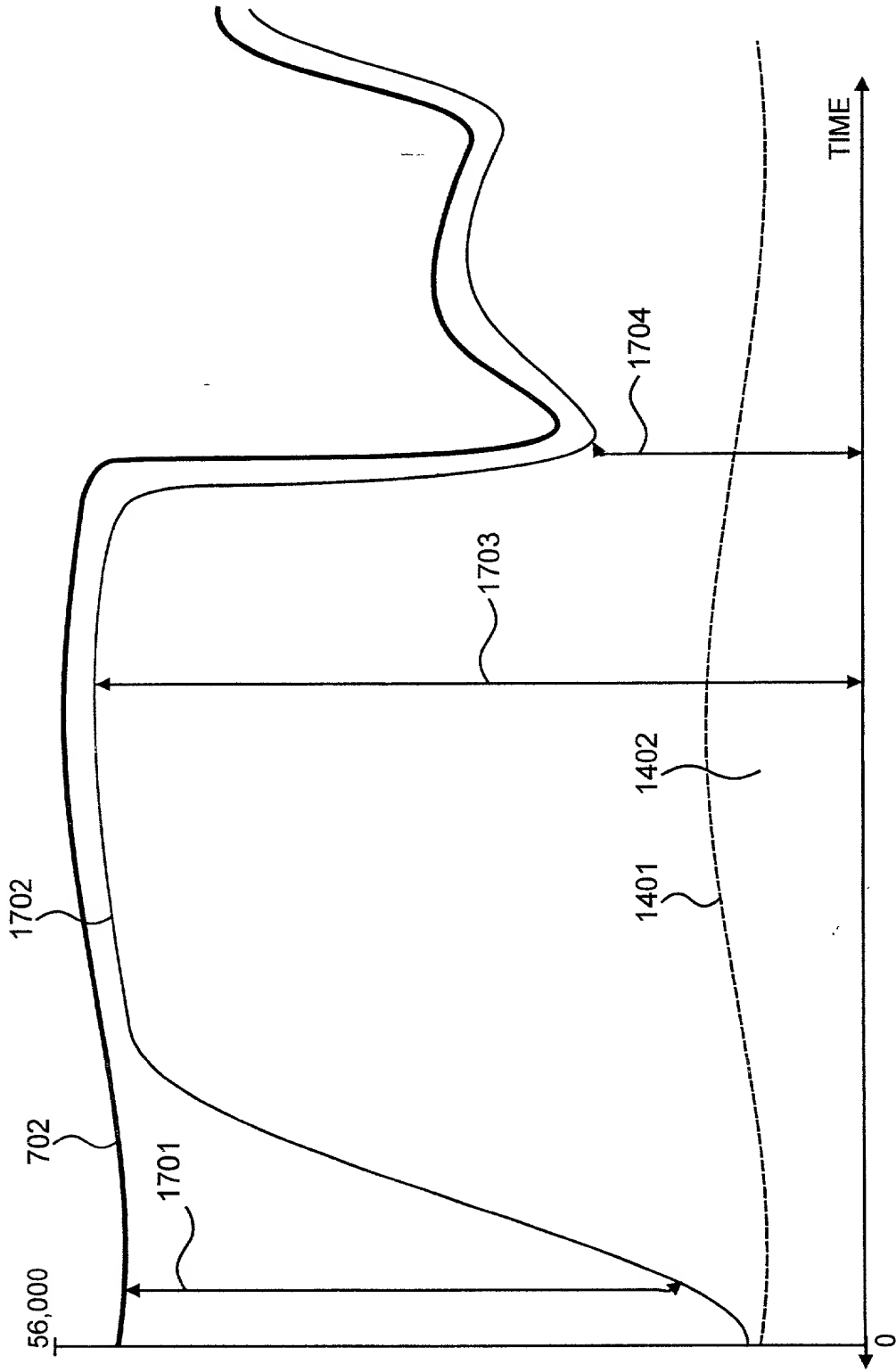


Figure 17

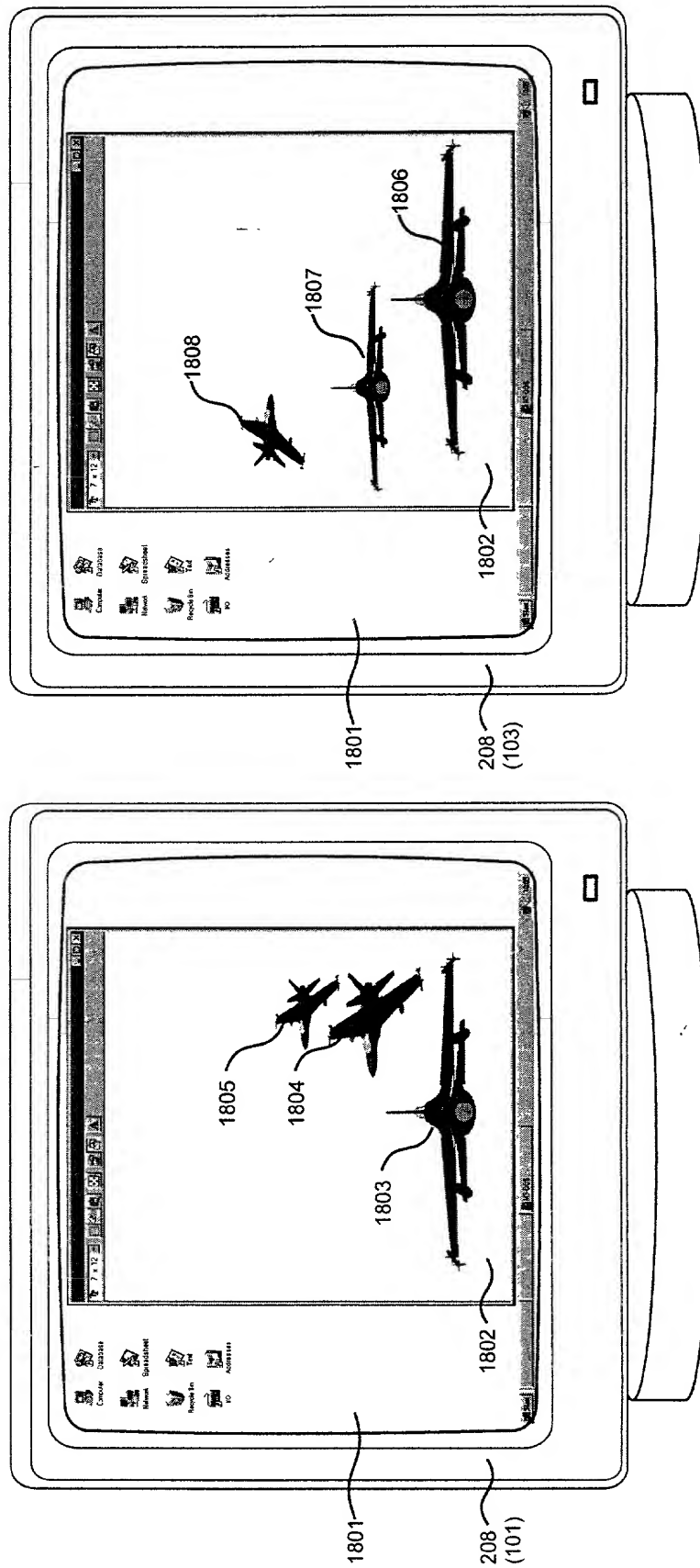


Figure 18